

Product Description Document
Transition to Plain Language Headlines within NWS Alerting System
August 17, 2023

Part 1 – Mission Connection

a) Product Description:

The National Weather Service (NWS) will be implementing changes to its hazard messaging headlines no earlier than calendar year 2025. All “Advisory” products within what is currently the NWS Watch, Warning and Advisory system will be replaced with plain language headlines that clearly articulate the nature of the hazard. These messages will continue to be equipped with computer-readable Valid Time Event Code (VTEC). Exceptions to the transition to plain language will apply to Tsunami and Small Craft Advisories. The Small Craft Advisory will be transitioned to a Small Craft Warning. The Tsunami Advisory will remain unchanged while further research is underway. All “Special Weather Statements” (SPS’) and the Short Term Forecast (NOW) will be discontinued, also in favor of plain language headlines. In addition, these messages will be in bulleted “What, Where, When, Impacts” format and equipped with VTEC.

b) Purpose/Intended Use:

This decision is based on results of extensive social science research with partners and the public, which documented significant confusion with the “Advisory” headline term. The introduction of plain language headlines will lead to a more streamlined and easily understood NWS hazard messaging system. This process will consolidate existing Advisory and Statement products into one suite of headlines that clearly articulate the nature of the hazard and impacts.

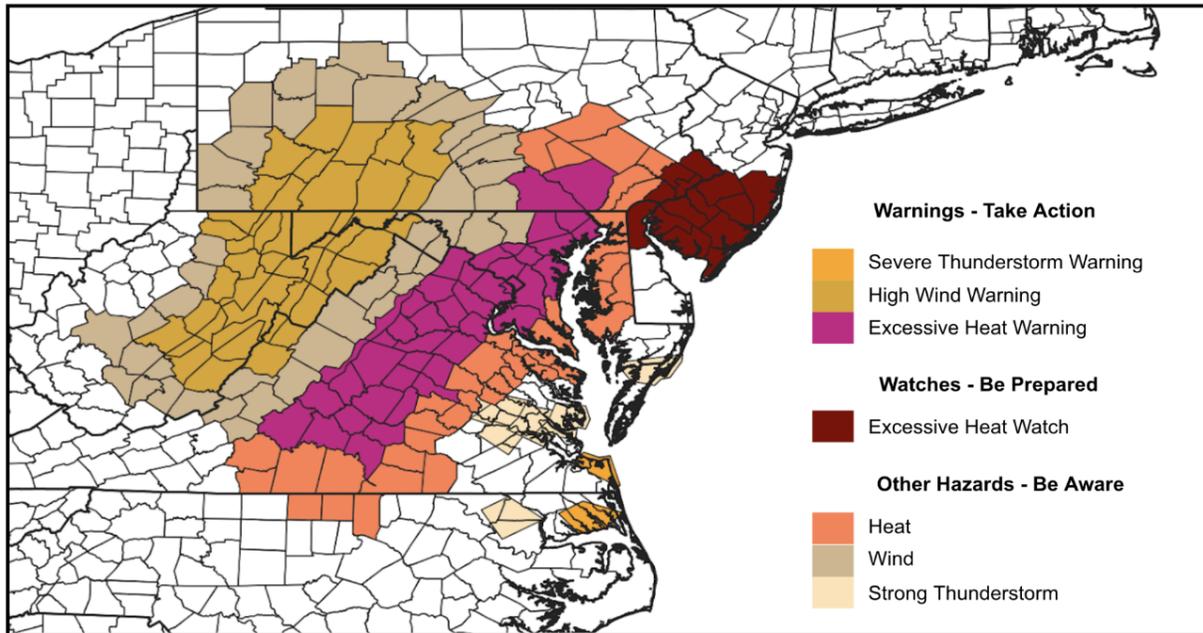
c) Audience/Users:

The target audiences for these products are customers and partners such as emergency managers, state and local officials including School Superintendents, Departments of Transportation (DOTs), media and the general public. This change would affect all Weather Forecast Offices.

d) Presentation Format:

While other efforts currently underway within the NWS are exploring the look and feel of our Weather.gov homepages, the focus of this particular Product Description Document (PDD) is on the transition of replacing Advisories with plain language headlines.

All Advisories that currently display on the Watch, Warning, and Advisory (WWA) maps will continue to use the current colors that they do now when they transition to plain language headlines. Any other NWS maps displaying alerts will follow these same display requirements. Also, priority order on the map will not change. On the map legend, all Warnings will be grouped under a “Warning - Take Action” label using the current priority ordering. All Watches will be grouped under a “Watch - Be Prepared” label using the current priority ordering. All plain language headlines will be grouped under a “Other Hazards - Be Aware” label using the current Advisory ordering. See the example below of the national hazards map and associated legend:



All products that currently display on the Hazardous Weather Conditions pink banner at the top of local forecast pages will continue to be displayed when they are active for the forecast area. Advisory headlines that are transitioning to plain language headlines will be displayed using the plain language headline itself. See the example below of a Hazardous Weather Conditions banner:

Hazardous Weather Conditions

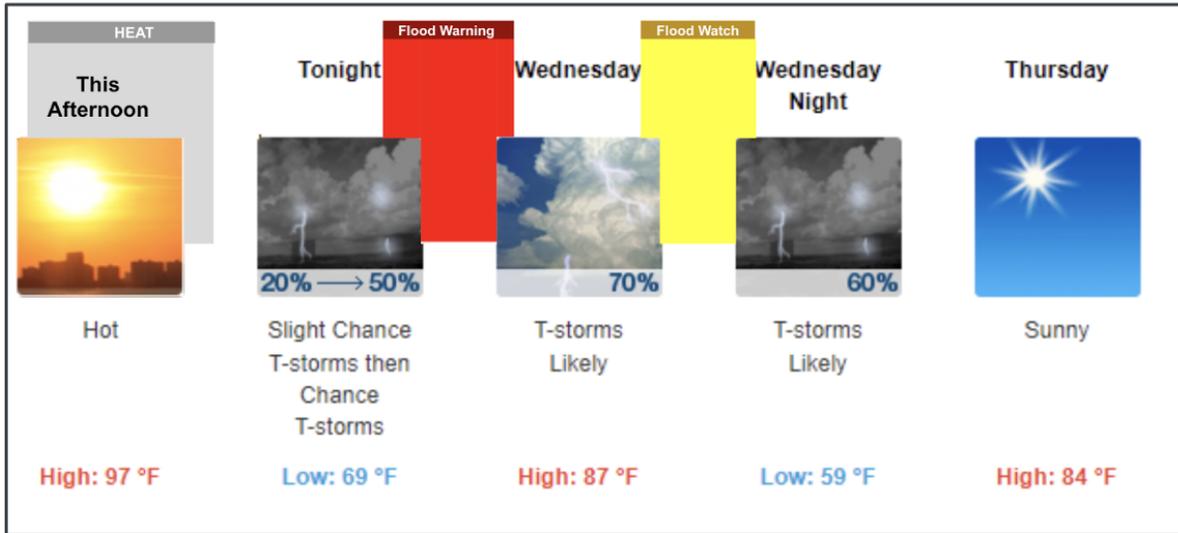
[Flood Warning in effect from June 14, 11:00 PM until June 15, 5:00 AM CDT](#)

[Flood Watch in effect from June 15, 11:00 PM until June 15, 2:00 AM CDT](#)

[HEAT: Heat index values up to 100F from June 14, 11:00 AM until June 14, 08:00 PM CDT](#)

[Hazardous Weather Outlook](#)

Currently the extended forecast on the local forecast pages displays orange, yellow, and red boxes to denote times of active Advisories, Watches, and Warnings, respectively. The Watch and Warning boxes will remain unchanged. All Advisories that are currently displayed on the extended forecast will be shown in gray instead of orange and display their hazard name at the top of the box in mixed case. See the example below of an extended forecast on the local forecast page:



e) Feedback Method:

Comments and feedback can be emailed to: hazsimp@noaa.gov

Part 2 – Technical Description

a) Format and Science Basis:

The new plain language headline structure will be led by the HAZARD in ALL CAPS followed by impact-based language. The body of the product will be in either WHAT, WHERE, and WHEN, and IMPACTS bullets, or the Impact-Based Warning (IBW) form (Hazard, Source, Impact). The following table is a listing of all of the new plain language headlines and their Product Identifier Label (PIL), Valid Time Event Code (VTEC), and Geographic Type, ordered by PIL/VTEC.

Headline	PIL	VTEC	Geographic Type	Product Format
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SNOW	WSW	WW.S	Zone	3W
BLOWING SNOW	WSW	WW.S	Zone	3W
ICE	WSW	WW.S	Zone	3W
WINTRY MIX	WSW	WW.S	Zone	3W
SNOW	SPS	WH.S	Polygon	IBW
ICE	SPS	WH.S	Polygon	IBW
COLD	NPW	CW.S	Zone	3W
HEAT	NPW	HT.S	Zone	3W
FROST	NPW	FR.S	Zone	3W
POOR VISIBILITY	NPW	FG.S	Zone	3W
POOR VISIBILITY	NPW	SM.S	Zone	3W
STAGNANT AIR	NPW	AS.S	Zone	3W
FREEZING FOG	NPW	ZF.S	Zone	3W
ASHFALL	NPW	AF.S	Zone	3W
BLOWING DUST	NPW	DU.S	Zone	3W
WIND	NPW	WI.S	Zone	3W
LAKE WIND	NPW	LW.S	Zone	3W
DUST	DSW	DS.S	Polygon	IBW
POOR VISIBILITY	MWW	MF.S	Zone (Marine)	3W
POOR VISIBILITY	MWW	MS.S	Zone (Marine)	3W
ASHFALL	MWW	MH.S	Zone (Marine)	3W
FREEZING SPRAY	MWW	UP.S	Zone (Marine)	3W
WIND	MWW	BW.S	Zone	3W

			(Marine)	
LOW WATER	MWW	LO.S	Zone (Marine)	3W
MARINE WEATHER	MWS	MA.S	Polygon (Marine)	IBW
BEACH HAZARD	CFW	BH.S	Zone	3W
RIP CURRENTS	CFW	RPS	Zone	3W
FLOOD	CFW	LS.S	Zone	3W
HIGH SURF	CFW	SU.S	Zone	3W
FLOOD	CFW	CF.S	Zone	3W
FLOOD	FLS	FA.S	Polygon	3W
HIGH WATER	FLS	FL.S	Polygon	3W
STRONG THUNDERSTORM(S)	SPS	ST.S	Polygon	IBW
FIRE WEATHER CONDITIONS*	RFW	FW.S	Zone	3W

*The “Fire Weather Conditions” plain language headline product includes ALL non-routine sub-Red Flag Warning products. The routinely issued tabular-formatted Rangeland/Grassland Fire Danger Statement will continue in its current state.

There are certain exceptions to the transition to plain language:

- Tsunami Advisory: Not currently being transitioned, but will be considered at a later date
- Small Craft Advisory: Transitioning to a Small Craft Warning
- Avalanche Advisory: No changes, pass-through product that’s rarely used
- Aviation Advisories: No changes, given that they are governed by the International Civil Aviation Organization (ICAO) and in conjunction with the Federal Aviation Administration (FAA)
- Tropical advisories: No changes, given that they are packages of information and out of scope of the Watch, Warning, Advisory alerting system
- Space weather advisories: No changes, given that they are packages of information and out of scope of the Watch, Warning, Advisory alerting system
- Volcanic Ash Advisories: No changes, given that they are packages of information and out of scope of the Watch, Warning, Advisory alerting system

b) Training:

Appropriate forecaster training, as well as outreach materials will be provided prior to implementation.

c) Availability:

These products will be available at all times and issued when criteria are met.

Appendices

Appendix A - Life Cycle of WW.S

NEW

WWUS41 KCTP 291738
WSWCTP

URGENT - WINTER WEATHER MESSAGE
National Weather Service State College PA
138 PM EDT Tue Mar 29 2022

PAZ004-005-010-011-017-018-024-025-033>035-300545-
/O.NEW.KCTP.WW.S.0018.220330T0600Z-220330T1600Z/
Warren-McKean-Elk-Cameron-Clearfield-Northern Centre-Cambria-
Blair-Somerset-Bedford-Fulton-
Including the cities of Warren, Bradford, St. Marys, Ridgway,
Emporium, DuBois, Clearfield, Philipsburg, Johnstown, Altoona,
Somerset, Bedford, and McConnellsburg
138 PM EDT Tue Mar 29 2022

...WINTRY MIX: Hazardous travel from 2 AM TO Noon EDT
Wednesday...

- * WHAT...Freezing rain and sleet. Up to one tenth of an inch of ice and a coating of sleet are expected.
- * WHERE...Portions of central Pennsylvania.
- * WHEN...From 2 AM to noon EDT Wednesday.

* IMPACTS...Plan on slippery road conditions. The hazardous conditions will impact the Wednesday morning commute.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

The Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission remind motorists to adjust speeds based on driving conditions as winter weather impacts Pennsylvania roadways.

Call 5 1 1 or visit www.511pa.com for the latest travel, roadway and traffic conditions.

To report snow or ice, post to the NWS State College Facebook page, use Twitter @NWSStateCollege, or visit weather.gov/ctp.

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CON

WWUS41 KCTP 292239
WSWCTP

URGENT - WINTER WEATHER MESSAGE
National Weather Service State College PA
639 PM EDT Tue Mar 29 2022

PAZ004-005-010-011-017-018-024-025-033>035-301045-
/O.CON.KCTP.WW.S.0018.220330T0600Z-220330T1600Z/
Warren-McKean-Elk-Cameron-Clearfield-Northern Centre-Cambria-
Blair-Somerset-Bedford-Fulton-
Including the cities of Warren, Bradford, St. Marys, Ridgway,
Emporium, DuBois, Clearfield, Philipsburg, Johnstown, Altoona,
Somerset, Bedford, and McConnellsburg
639 PM EDT Tue Mar 29 2022

...WINTRY MIX: Hazardous travel from 2 AM To Noon EDT
Wednesday...

* WHAT...Light mixed precipitation expected. Total ice

accumulations of up to one tenth of an inch.

- * WHERE...Portions of central Pennsylvania.
- * WHEN...From 2 AM to noon EDT Wednesday.
- * IMPACTS...Plan on slippery road conditions. The hazardous conditions could impact the morning commute.
- * ADDITIONAL DETAILS...The light mixed precipitation is most likely to begin around 5 am in Somerset, around 7 am in Altoona and Warren, and around 8 am in Clearfield and Bradford.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

The Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission remind motorists to adjust speeds based on driving conditions as winter weather impacts Pennsylvania roadways.

Call 5 1 1 or visit www.511pa.com for the latest travel, roadway and traffic conditions.

To report snow or ice, post to the NWS State College Facebook page, use Twitter @NWSStateCollege, or visit weather.gov/ctp.

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EXB

WWUS41 KCTP 301258

WSWCTP

URGENT - WINTER WEATHER MESSAGE

National Weather Service State College PA

858 AM EDT Wed Mar 30 2022

PAZ053-058-059-064>066-301800-

/O.EXB.KCTP.WW.S.0018.220330T1300Z-220330T1800Z/

Columbia-Schuylkill-Lebanon-Adams-York-Lancaster-

Including the cities of Bloomsburg, Berwick, Pottsville, Lebanon,

Gettysburg, York, and Lancaster
858 AM EDT Wed Mar 30 2022

...WINTRY MIX: Hazardous travel through Noon EDT Today...

- * WHAT...Mixed precipitation expected. Light accumulation of sleet and freezing rain.
- * WHERE...Portions of central Pennsylvania.
- * WHEN...Until 2 PM EDT this afternoon.
- * IMPACTS...Plan on slippery road conditions. The hazardous conditions could impact the morning commute.
- * ADDITIONAL DETAILS...The threat of icy spots will end by early afternoon, as the area of precipitation moves eastward and temperatures rise above freezing.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

The Pennsylvania Department of Transportation and Pennsylvania Turnpike Commission remind motorists to adjust speeds based on driving conditions as winter weather impacts will include snow covered roads and limited visibility.

Call 5 1 1 or visit www.511pa.com for the latest travel, roadway and traffic conditions.

To report snow or ice, post to the NWS State College Facebook page, use Twitter @NWSStateCollege, or visit weather.gov/ctp.

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CAN

WWUS41 KCTP 301508
WSWCTP

URGENT - WINTER WEATHER MESSAGE
National Weather Service State College PA
1108 AM EDT Wed Mar 30 2022

PAZ004-005-010-011-017-018-024-025-033>035-301715-
/O.CAN.KCTP.WW.S.0018.000000T0000Z-220330T1600Z/
Warren-McKean-Elk-Cameron-Clearfield-Northern Centre-Cambria-
Blair-Somerset-Bedford-Fulton-
Including the cities of Warren, Bradford, St. Marys, Ridgway,
Emporium, DuBois, Clearfield, Philipsburg, Johnstown, Altoona,
Somerset, Bedford, and McConnellsburg
1108 AM EDT Wed Mar 30 2022

...The risk for hazardous travel has ended...

The risk for widespread mixed precipitation has ended. Temperatures
will continue to warm this afternoon, as clouds thin out.

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EXP

WWUS41 KCTP 301608
WSWCTP

URGENT - WINTER WEATHER MESSAGE
National Weather Service State College PA
1208 PM EDT Wed Mar 30 2022

PAZ004-005-010-011-017-018-024-025-033>035-301715-
/O.EXP.KCTP.WW.S.0018.000000T0000Z-220330T1600Z/
Warren-McKean-Elk-Cameron-Clearfield-Northern Centre-Cambria-
Blair-Somerset-Bedford-Fulton-
Including the cities of Warren, Bradford, St. Marys, Ridgway,
Emporium, DuBois, Clearfield, Philipsburg, Johnstown, Altoona,
Somerset, Bedford, and McConnellsburg
1208 PM EDT Wed Mar 30 2022

...The risk for hazardous travel has ended...

The risk for widespread mixed precipitation has ended. Temperatures

will continue to warm this afternoon, as clouds thin out.

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Multiple Headline

WWUS41 KLWX 181804

WSWLWX

URGENT - WINTER WEATHER MESSAGE

National Weather Service Baltimore MD/Washington DC

204 PM EDT Mon Apr 18 2022

MDZ001-190215-

/O.NEW.KLWX.WW.S.0026.220420T1500Z-220420T2100Z/

/O.CON.KLWX.WS.W.0007.000000T0000Z-220419T0000Z/

Garrett-

204 PM EDT Mon Apr 18 2022

...SNOW: 1 to 3 inches of snow from 11 AM to 5 PM EDT Tuesday...

...WINTER STORM WARNING REMAINS IN EFFECT UNTIL 8 PM EDT THIS EVENING...

* WHAT...Heavy mixed precipitation expected: Total snow accumulations of 3 to 7 inches, ice accumulations of up to one quarter of an inch, and winds gusting as high as 40 mph through 8 PM this evening. Snow expected Tuesday: Total snow accumulations of 1 to 3 inches and winds gusting as high as 40 mph from 11 AM to 5 PM Tuesday.

* WHERE...Garrett County.

* WHEN...Heavy mixed precipitation and gusty winds until 8 PM EDT this evening. Snow and gusty winds from 11 AM this evening to 5 PM EDT Tuesday.

* IMPACTS...Plan on slippery road conditions. The hazardous conditions could impact the evening commutes both today and Tuesday.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If you must travel, keep an extra flashlight, food, and water in your vehicle in case of an emergency.

Slow down and use caution while traveling.

When venturing outside, watch your first few steps taken on steps, sidewalks, and driveways, which could be icy and slippery, increasing your risk of a fall and injury.

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Warning Replacing a Statement

WWUS41 KLWX 181536

WSWLWX

URGENT - WINTER WEATHER MESSAGE

National Weather Service Baltimore MD/Washington DC

1136 AM EDT Mon Apr 18 2022

MDZ001-501-WVZ503-182345-

/O.CAN.KLWX.WW.S.0025.000000T0000Z-220419T0000Z/

/O.NEW.KLWX.WS.W.0007.220418T1536Z-220419T0000Z/

Garrett-Extreme Western Allegany-Western Mineral-

1136 AM EDT Mon Apr 18 2022

...WINTER STORM WARNING IN EFFECT UNTIL 8 PM EDT THIS EVENING...

* WHAT...Heavy mixed precipitation. Total snow accumulations of 3 to 7 inches and ice accumulations of up to one quarter of an inch. Winds gusting as high as 45 mph.

* WHERE...In Maryland, Garrett and Extreme Western Allegany Counties. In West Virginia, Western Mineral County.

* WHEN...Until 8 PM EDT this evening.

* IMPACTS...Travel may be difficult to nearly impossible.

* ADDITIONAL DETAILS...The heaviest snow will fall in western Allegany, western Mineral and eastern Garrett counties, while

the heaviest ice will occur in western Garrett County.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If you must travel, keep an extra flashlight, food, and water in your vehicle in case of an emergency.

When venturing outside, watch your first few steps taken on steps, sidewalks, and driveways, which could be icy and slippery, increasing your risk of a fall and injury.

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Appendix B - Life Cycle of WH.S

NEW

WWUS85 KMSO 082318
SPSMSO

Winter Hazard Statement
National Weather Service Missoula MT
518 PM MDT Sun May 8 2022

MTZ007-082345-
/O.NEW.MSO.WH.S.0010.220508T2318Z-220508T2345Z/
Butte/Blackfoot Region MT-
518 PM MDT Sun May 8 2022

...SNOW: Reduced visibility and hazardous travel for portions of central Silver Bow County through 545 PM MDT...

At 517 PM MDT, trained weather spotters reported an intense snow shower near Silver Bow, or near Butte, moving northeast at 25 mph.

HAZARD...Visibility one-half mile or less.

SOURCE...Trained weather spotters.

IMPACT...Low visibility could result in dangerous driving conditions.

Locations impacted include...

Butte, Silver Bow, Walkerville, Divide, Nissler, Melrose, Janney and Newcomb.

This includes Interstate 90 between mile markers 217 and 231.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

This storm may intensify, so be certain to monitor local radio stations and available television stations for additional information and possible warnings from the National Weather Service.

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LAT...LON 4584 11242 4576 11249 4575 11251 4568 11255
4563 11268 4564 11270 4567 11270 4570 11275
4570 11274 4575 11276 4603 11266 4609 11247
4607 11246 4605 11248 4603 11245 4593 11244
4589 11240

TIME...MOT...LOC 2317Z 223DEG 21KT 4595 11262

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CON

WWUS85 KMSO 082330
SPSMSO

Winter Hazard Statement
National Weather Service Missoula MT
530 PM MDT Sun May 8 2022

MTZ007-082345-
/O.CON.MSO.WH.S.0010.000000T0000Z-220508T2345Z/
Butte/Blackfoot Region MT-
530 PM MDT Sun May 8 2022

...SNOW: Reduced visibility and hazardous travel for portions of central Silver Bow County through 545 PM MDT...

At 517 PM MDT, trained weather spotters reported an intense snow shower near Silver Bow, or near Butte, moving northeast at 25 mph.

HAZARD...Visibility one-half mile or less.

SOURCE...Trained weather spotters.

IMPACT...Low visibility could result in dangerous driving conditions.

Locations impacted include...

Butte, Silver Bow, Walkerville, Divide, Nissler, Melrose, Janney and Newcomb.

This includes Interstate 90 between mile markers 217 and 231.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

This storm may intensify, so be certain to monitor local radio stations and available television stations for additional information and possible warnings from the National Weather Service.

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LAT...LON 4584 11242 4576 11249 4575 11251 4568 11255
4563 11268 4564 11270 4567 11270 4570 11275
4570 11274 4575 11276 4603 11266 4609 11247
4607 11246 4605 11248 4603 11245 4593 11244
4589 11240

TIME...MOT...LOC 2317Z 223DEG 21KT 4595 11262

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CAN

WWUS85 KMSO 082318

SPSMSO

Winter Hazard Statement

National Weather Service Missoula MT

530 PM MDT Sun May 8 2022

MTZ007-082345-

/O.CAN.MSO.WH.S.0010.000000T0000Z-220508T2345Z/

Butte/Blackfoot Region MT-
530 PM MDT Sun May 8 2022

...Risk for reduced visibility and hazardous travel has ended...

At 530 PM MDT, the intense snow shower has [weakened or moved out of the area]. The risk for reduced visibility and hazardous travel has ended.

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LAT...LON 4584 11242 4576 11249 4575 11251 4568 11255
4563 11268 4564 11270 4567 11270 4570 11275
4570 11274 4575 11276 4603 11266 4609 11247
4607 11246 4605 11248 4603 11245 4593 11244
4589 11240
TIME...MOT...LOC 2317Z 223DEG 21KT 4595 11262

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EXP

WWUS85 KMSO 082318
SPSMSO

Winter Hazard Statement
National Weather Service Missoula MT
544 PM MDT Sun May 8 2022

MTZ007-082345-
/O.EXP.MSO.WH.S.0010.000000T0000Z-220508T2345Z/
Butte/Blackfoot Region MT-
544 PM MDT Sun May 8 2022

...Risk for reduced visibility and hazardous travel has ended...

At 544 PM MDT, the intense snow shower has [weakened or moved out of the area]. The risk for reduced visibility and hazardous travel has ended.

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LAT...LON 4584 11242 4576 11249 4575 11251 4568 11255
4563 11268 4564 11270 4567 11270 4570 11275
4570 11274 4575 11276 4603 11266 4609 11247
4607 11246 4605 11248 4603 11245 4593 11244
4589 11240
TIME...MOT...LOC 2317Z 223DEG 21KT 4595 11262
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Appendix C - Life Cycle of HT.S and “Like Hazards” (CW.S, FR.S, FG.S, SM.S, AS.S, ZF.S, AF.S, DU.S, WLS, LW.S)

NEW

WWUS72 KCHS 041745
NPWCHS

URGENT - WEATHER MESSAGE
National Weather Service Charleston SC
145 PM EDT Sat Jun 4 2022

GAZ087-088-099>101-114>119-137>141-SCZ040-042>045-047>052-050145-
/O.NEW.KCHS.HT.S.0001.220604T1745Z-220604T2300Z/
/O.NEW.KCHS.EH.A.0001.220605T1600Z-220605T2200Z/
Jenkins-Screven-Candler-Bulloch-Effingham-Tattnall-Evans-
Inland Bryan-Coastal Bryan-Inland Chatham-Coastal Chatham-Long-
Inland Liberty-Coastal Liberty-Inland McIntosh-Coastal McIntosh-
Allendale-Hampton-Inland Colleton-Dorchester-Inland Berkeley-
Inland Jasper-Beaufort-Coastal Colleton-Charleston-Coastal Jasper-
Tidal Berkeley-
Including the cities of Millen, Sylvania, Metter, Statesboro,
Rincon, Springfield, Reidsville, Claxton, Pembroke,
Richmond Hill, Fort Mcallister, Oak Level, Garden City, Pooler,
Savannah, Wilmington Island, Tybee Island, Ludowici, Hinesville,
Fort Stewart, Townsend, Darien, Allendale, Hampton, Yemassee,
Walterboro, Saint George, Summerville, Goose Creek,
Moncks Corner, Ridgeland, Beaufort, Hilton Head Island,
Edisto Beach, Charleston, North Charleston, Mount Pleasant, Levy,
Chelsea, Jasper, and Daniel Island
145 PM EDT Sat Jun 4 2022

...HEAT: Heat index values up to 106 until 7 PM EDT this evening...
...EXCESSIVE HEAT WATCH IN EFFECT SUNDAY AFTERNOON...

* WHAT...Heat index values up to 106 through this evening. Dangerously hot conditions with heat index values up to 114 possible this Sunday afternoon.

* WHERE...Portions of southeast South Carolina and southeast Georgia.

* WHEN...Heat to continue through Sunday afternoon.

* IMPACTS...Extreme heat and humidity will significantly increase the potential for heat related illnesses, particularly for those working or participating in outdoor activities.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Monitor the latest forecasts and warnings for updates on this situation. Be prepared to drink plenty of fluids, stay in an air-conditioned room, stay out of the sun, and check up on relatives and neighbors.

Young children and pets should never be left unattended in vehicles under any circumstances. This is especially true during warm or hot weather when car interiors can reach lethal temperatures in a matter of minutes.

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CON

WWUS72 KCHS 041746
NPWCHS

URGENT - WEATHER MESSAGE
National Weather Service Charleston SC
146 PM EDT Sat Jun 4 2022

GAZ087-088-099>101-114>119-137>141-SCZ040-042>045-047>052-050200-
/O.CON.KCHS.HT.S.0001.000000T0000Z-220604T2300Z/

/O.CON.KCHS.EH.A.0001.220605T1600Z-220605T2200Z/

Jenkins-Screven-Candler-Bulloch-Effingham-Tattnall-Evans-
Inland Bryan-Coastal Bryan-Inland Chatham-Coastal Chatham-Long-
Inland Liberty-Coastal Liberty-Inland McIntosh-Coastal McIntosh-
Allendale-Hampton-Inland Colleton-Dorchester-Inland Berkeley-
Inland Jasper-Beaufort-Coastal Colleton-Charleston-Coastal Jasper-
Tidal Berkeley-

Including the cities of Millen, Sylvania, Metter, Statesboro,
Rincon, Springfield, Reidsville, Claxton, Pembroke,
Richmond Hill, Fort Mcallister, Oak Level, Garden City, Pooler,
Savannah, Wilmington Island, Tybee Island, Ludowici, Hinesville,
Fort Stewart, Townsend, Darien, Allendale, Hampton, Yemassee,
Walterboro, Saint George, Summerville, Goose Creek,
Moncks Corner, Ridgeland, Beaufort, Hilton Head Island,
Edisto Beach, Charleston, North Charleston, Mount Pleasant, Levy,
Chelsea, Jasper, and Daniel Island

146 PM EDT Sat Jun 4 2022

...HEAT: Heat index values up to 106 through 7 PM EDT this evening...
...EXCESSIVE HEAT WATCH REMAINS IN EFFECT SUNDAY AFTERNOON...

* WHAT...Heat index values up to 106 through this evening. Dangerously hot conditions with heat index values up to 114 possible this Sunday afternoon.

* WHERE...Portions of southeast South Carolina and southeast Georgia.

* WHEN...Heat to continue through Sunday afternoon.

* IMPACTS...Extreme heat and humidity will significantly increase the potential for heat related illnesses, particularly for those working or participating in outdoor activities.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Monitor the latest forecasts and warnings for updates on this situation. Be prepared to drink plenty of fluids, stay in an air-conditioned room, stay out of the sun, and check up on relatives and neighbors.

Young children and pets should never be left unattended in vehicles under any circumstances. This is especially true during warm or hot weather when car interiors can reach lethal

temperatures in a matter of minutes.

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Statement Canceled, New Statement Replaces a Watch

GAZ117-119-139-141-SCZ040-042>045-047>052-050700-

/O.CAN.KCHS.HT.S.0001.000000T0000Z-220604T2300Z/

/O.CAN.KCHS.EH.A.0001.220605T1600Z-220605T2200Z/

/O.NEW.KCHS.HT.S.0002.220605T1600Z-220605T2200Z/

Coastal Bryan-Coastal Chatham-Coastal Liberty-Coastal McIntosh-
Allendale-Hampton-Inland Colleton-Dorchester-Inland Berkeley-
Inland Jasper-Beaufort-Coastal Colleton-Charleston-Coastal Jasper-
Tidal Berkeley-

Including the cities of Fort Mcallister, Oak Level,
Wilmington Island, Tybee Island, Darien, Allendale, Hampton,
Yemassee, Walterboro, Saint George, Summerville, Goose Creek,
Moncks Corner, Ridgeland, Beaufort, Hilton Head Island,
Edisto Beach, Charleston, North Charleston, Mount Pleasant, Levy,
Chelsea, Jasper, and Daniel Island

646 PM EDT Sat Jun 4 2022

...HEAT: Heat index values up to 108 from noon to 6 PM EDT Sunday...

* WHAT...Heat index values up to 108 expected this weekend.

* WHERE...Portions of southeast South Carolina and southeast
Georgia.

* WHEN...From noon to 6 PM EDT Sunday.

* IMPACTS...Hot temperatures and high humidity may cause heat
illnesses to occur.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Drink plenty of fluids, stay in an air-conditioned room, stay out
of the sunshine, and check up on relatives and neighbors. Young
children and pets should never be left unattended in vehicles
under any circumstances.

Take extra precautions if you work or spend time outside. When
possible reschedule strenuous activities to early morning or

evening. Know the signs and symptoms of heat exhaustion and heat stroke. Wear lightweight and loose fitting clothing when possible. To reduce risk during outdoor work, the Occupational Safety and Health Administration recommends scheduling frequent rest breaks in shaded or air conditioned environments. Anyone overcome by heat should be moved to a cool and shaded location. Heat stroke is an emergency! Call 9 1 1.

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Statement canceled, Watch upgraded to Warning

WWUS72 KCHS 042246
NPWCHS

URGENT - WEATHER MESSAGE
National Weather Service Charleston SC
646 PM EDT Sat Jun 4 2022

GAZ087-088-099>101-114>116-118-137-138-140-050700-
/O.CAN.KCHS.HT.S.0001.000000T0000Z-220604T2300Z/
/O.UPG.KCHS.EH.A.0001.220605T1600Z-220605T2200Z/
/O.NEW.KCHS.EH.W.0001.220605T1600Z-220605T2200Z/
Jenkins-Screven-Candler-Bulloch-Effingham-Tattnall-Evans-
Inland Bryan-Inland Chatham-Long-Inland Liberty-Inland McIntosh-
Including the cities of Millen, Sylvania, Metter, Statesboro,
Rincon, Springfield, Reidsville, Claxton, Pembroke,
Richmond Hill, Garden City, Pooler, Savannah, Ludowici,
Hinesville, Fort Stewart, and Townsend
646 PM EDT Sat Jun 4 2022

...EXCESSIVE HEAT WARNING IN EFFECT FROM NOON TO 6 PM EDT
SUNDAY...

- * WHAT...Dangerously hot conditions with heat index values up to 114 expected.
- * WHERE...Portions of southeast Georgia.
- * WHEN...From noon to 6 PM EDT Sunday.
- * IMPACTS...Extreme heat and humidity will significantly increase the potential for heat related illnesses,

particularly for those working or participating in outdoor activities.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Drink plenty of fluids, stay in an air-conditioned room, stay out of the sun, and check up on relatives and neighbors. Young children and pets should never be left unattended in vehicles under any circumstances.

Take extra precautions if you work or spend time outside. When possible reschedule strenuous activities to early morning or evening. Know the signs and symptoms of heat exhaustion and heat stroke. Wear lightweight and loose fitting clothing when possible. To reduce risk during outdoor work, the Occupational Safety and Health Administration recommends scheduling frequent rest breaks in shaded or air conditioned environments. Anyone overcome by heat should be moved to a cool and shaded location. Heat stroke is an emergency! Call 9 1 1.

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Multiple Plain Language Headlines

TXZ035-036-041-120115-

/O.CON.KLUB.DU.S.0001.000000T0000Z-190212T0100Z/

/O.CON.KLUB.WI.S.0005.000000T0000Z-190212T0400Z/

Lubbock-Crosby-Lynn-

Including the cities of Lubbock, Wolfforth, Slaton, Ralls
303 PM CST Mon Feb 11 2019

...WIND: Wind gusts to 50 mph through 10 pm CST this evening...

...BLOWING DUST: Areas of blowing dust through 7 pm CST this evening...

* WHAT...Sustained west winds of 25 to 35 mph with gusts to 50 mph. Occasional blowing dust.

* WHERE...Lubbock, Crosby, and Lynn Counties.

* WHEN...Wind until 10 pm. Blowing dust until 7pm tonight.

* IMPACTS...Blowing dust may reduce visibilities especially downwind of open fields and construction zones. Unsecured lightweight objects will be blown around. Motorists will experience strong crosswinds at times on north-south oriented roads.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Remain indoors if possible to avoid dust exposure. Use caution when driving due to sudden reductions in visibility from the dust. Secure objects that could get blown around by the wind.

Appendix D - Life Cycle of LO.S and “Like Hazards” (MFS, MS.S, MH.S, UP.S, BW.S)

NEW

WHUS71 KCLE 191329
MWWCLE

URGENT - MARINE WEATHER MESSAGE
National Weather Service Cleveland OH
829 AM EST Sat Feb 19 2022

LEZ142>144-162>164-192000-
/O.NEW.KCLE.LO.S.0003.220219T1329Z-220219T2000Z/
/O.CON.KCLE.GL.W.0002.000000T0000Z-220219T1500Z/
Maumee Bay to Reno Beach OH-Reno Beach to The Islands OH-
The Islands to Vermilion OH-
Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5NM
offshoreline to US-Canadian border-
Reno Beach to The Islands OH beyond 5NM off shoreline to US-
Canadian border-
The Islands to Vermilion OH beyond 5 nm off shoreline to US-
Canadian border-
829 AM EST Sat Feb 19 2022

...LOW WATER: Unusually low water may cause vessels to go aground through 3 PM today...

...GALE WARNING REMAINS IN EFFECT UNTIL 10 AM EST THIS MORNING...

* WHAT...For the Gale Warning, west winds 25 to 30 knots with gusts up to 40 knots. Abnormally low water levels.

* WHERE...The nearshore waters of Lake Erie from Maumee Bay to Vermilion OH, and the open waters of Lake Erie from Maumee Bay to Vermilion OH.

* WHEN...Gale force winds until 10 AM EST this morning. Low water levels until 3 PM EST this afternoon.

* IMPACTS...Strong winds will cause hazardous waves which could capsize or damage vessels and reduce visibility. Below normal water levels will result in hazardous navigating conditions.

* ADDITIONAL DETAILS...Water levels have dropped to around 5 inches above the zero datum level. This is 6 inches below the critical mark for safe shipping. The Water level looks as if it will bottom out near the zero datum level which would be 11 inches below the critical mark for safe shipping. Water level improve by 3 pm.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Mariners should alter plans to avoid these hazardous conditions. Remain in port, seek safe harbor, alter course, and/or secure the vessel for severe conditions.

Mariners should navigate shallow waters with extreme caution due to below normal water levels.

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CON

LEZ142>144-162>164-192000-

/O.CON.KCLE.GL.W.0002.000000T0000Z-220219T1500Z/

/O.CON.KCLE.LO.S.0003.000000T0000Z-220219T2000Z/

Maumee Bay to Reno Beach OH-Reno Beach to The Islands OH-

The Islands to Vermilion OH-

Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5NM offshoreline to US-Canadian border-

Reno Beach to The Islands OH beyond 5NM off shoreline to US-Canadian border-

The Islands to Vermilion OH beyond 5 nm off shoreline to US-Canadian border-

909 AM EST Sat Feb 19 2022

...GALE WARNING REMAINS IN EFFECT UNTIL 10 AM EST THIS MORNING...

...LOW WATER: Unusually low water may cause vessels to go aground through 3 PM today...

- * WHAT...For the Gale Warning, west winds 25 to 30 knots with gusts up to 40 knots. Abnormally low water levels.
- * WHERE...The nearshore waters of Lake Erie from Maumee Bay to Vermilion OH, and the open waters of Lake Erie from Maumee Bay to Vermilion OH.
- * WHEN...Gale force winds until 10 AM EST this morning. Low water levels until 3 PM EST this afternoon.
- * IMPACTS...Strong winds will cause hazardous waves which could capsize or damage vessels and reduce visibility. Below normal water levels will result in hazardous navigating conditions.
- * ADDITIONAL DETAILS...Water levels have dropped to around 5 inches above the zero datum level. This is 6 inches below the critical mark for safe shipping. The Water level looks as if it will bottom out near the zero datum level which would be 11 inches below the critical mark for safe shipping. Water level improve by 3 pm.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Mariners should alter plans to avoid these hazardous conditions. Remain in port, seek safe harbor, alter course, and/or secure the vessel for severe conditions.

Mariners should navigate shallow waters with extreme caution due to below normal water levels.

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CAN

LEZ142>144-162>164-191915-
 /O.CAN.KCLE.LO.Y.0003.000000T0000Z-220219T2000Z/
 Maumee Bay to Reno Beach OH-Reno Beach to The Islands OH-
 The Islands to Vermilion OH-
 Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5NM
 offshoreline to US-Canadian border-
 Reno Beach to The Islands OH beyond 5NM off shoreline to US-
 Canadian border-
 The Islands to Vermilion OH beyond 5 nm off shoreline to US-
 Canadian border-
 103 PM EST Sat Feb 19 2022

...The risk for low water levels has ended...

Water levels have risen back to 16 inches above low water datum and are expected to continue to rise into the evening.

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For more information from the National Weather Service visit <http://www.weather.gov/cle>

Appendix E - Life Cycle of DS.S

NEW:

WWUS54 KEPZ 061826
DSWEPZ

Dust Statement
National Weather Service El Paso TX
1126 AM MST Sun Mar 6 2022

NMC029-062000-
/O.NEW.KEPZ.DS.S.0002.220306T1826Z-220306T2000Z/
Luna NM-
1126 AM MST Sun Mar 6 2022

...DUST: Hazardous travel in Central Luna County in New Mexico until 1 PM...

* At 1125 AM MST, an area of blowing dust was over Deming.

HAZARD...Less than one mile visibility with strong winds up to 40
mph.

SOURCE...Satellite imagery and observational sources.

IMPACT...Hazardous travel.

* This includes Interstate 10 in New Mexico between mile markers 82
and 94.

Locations impacted include...

Deming, Sunshine, Rock Hound State Park and Spring Canyon State Park.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Blowing dust brings reduced visibility, leading to dangerous driving conditions. If driving, avoid blowing dust if possible. If caught in dense blowing dust, pull off the road, turn off your lights and keep your foot off the brake.

Motorists should not drive into an area of blowing dust. PULL ASIDE STAY ALIVE!

&&

LAT...LON 3232 10755 3199 10762 3199 10781 3231 10777
TIME...MOT...LOC 1825Z 180DEG 0KT 3214 10769

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CON:

WWUS55 KABQ 222202
DSWABQ

Dust Statement
National Weather Service Albuquerque NM
402 PM MDT Fri Apr 22 2022

NMC001-043-057-061-222245-
/O.CON.KABQ.DS.S.0003.000000T0000Z-220422T2245Z/
Valencia-Sandoval-Bernalillo-Torrance-
402 PM MDT Fri Apr 22 2022

...DUST: Hazardous travel in Valencia...Sandoval...Bernalillo...and West Central Tarrant Counties until 455 PM...

At 401 PM MDT, an area of dust remains over the Albuquerque Metro Area, moving northeast at 50 mph.

HAZARD...Less than two miles visibility with strong wind in excess of 50 mph.

SOURCE...Satellite imagery and surface observations.

IMPACT...Hazardous travel.

This includes the following highways...

Interstate 40 between Mile Markers 133 and 173.
Interstate 25 between Mile Markers 190 and 247.
Highway 550 between Mile Markers 1 and 9.

Locations impacted include...

Albuquerque, Rio Rancho, Valencia, Los Lunas, Corrales, Bernalillo,
Belen, Los Ranchos De Albuquerque, Bosque Farms and Peralta.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Blowing dust can be unhealthy and has been known to lead to Valley
Fever. Avoid outdoor exposure.

Blowing dust creates reduced visibility, leading to dangerous driving
conditions. If caught in dense blowing dust, pull off the road, turn
off your lights and keep your foot off the brake.

&&

LAT...LON 3458 10647 3466 10715 3496 10708 3496 10706
3500 10707 3546 10697 3545 10693 3536 10637
TIME...MOT...LOC 2201Z 239DEG 43KT 3524 10630

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CAN:

WWUS54 KEPZ 061939
DSWEPZ

Dust Statement
National Weather Service El Paso TX
1239 PM MST Sun Mar 6 2022

NMC029-061948-
/O.CAN.KEPZ.DS.S.0002.000000T0000Z-220306T2000Z/
Luna NM-
1239 PM MST Sun Mar 6 2022

...The threat of blowing dust has ended...

The blowing dust has subsided.

LAT...LON 3232 10755 3199 10762 3199 10781 3231 10777
TIME...MOT...LOC 1936Z 180DEG 0KT 3214 10769

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EXP:

WWUS55 KTWC 202143
DSWTWC

Dust Statement
National Weather Service Tucson AZ
243 PM MST Sun Mar 20 2022

AZC003-202152-
/O.EXP.KTWC.DS.S.0001.000000T0000Z-220320T2145Z/
Cochise-
243 PM MST Sun Mar 20 2022

...The threat of blowing dust is ending...

The blowing dust has dissipated and exited part of the area near Bowie.

LAT...LON 3230 10954 3242 10941 3242 10908 3241 10904
3214 10905 3215 10907
TIME...MOT...LOC 2142Z 228DEG 1KT 3229 10926

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Appendix E - Life Cycle of MA.S

NEW:

FZUS72 KJAX 131104

MWSJAX

Marine Weather Statement
National Weather Service Jacksonville FL
704 AM EDT Mon Mar 13 2023

AMZ454-474-131145-
/O.NEW.KJAX.MA.S.0002.000000T0000Z-230313T1145Z/
704 AM EDT Mon Mar 13 2023

...MARINE WEATHER: A strong thunderstorm will move across the waters through 745 AM...

At 704 AM EDT, Doppler radar indicated a strong thunderstorm. This thunderstorm was located near Palm Coast, moving east at 50 knots.

HAZARD...Gusty winds to around 30 knots, locally higher waves, and lightning strikes.

SOURCE...Radar indicated.

IMPACT...Gusty winds, high waves, and lightning strikes will pose a threat to mariners.

The areas affected include...

Coastal waters from St. Augustine to Flagler Beach FL out 20 NM...

Waters from St. Augustine to Flagler Beach FL from 20 to 60 NM...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Boaters should seek safe harbor immediately until this storm passes.

&&

LAT...LON 2946 8116 2950 8118 2961 8115 2955 8044
2948 8045 2948 8071 2946 8112

\$\$

CON:

FZUS72 KMLB 132244

MWSMLB

Marine Weather Statement
National Weather Service Melbourne FL
644 PM EDT Mon Mar 13 2023

AMZ555-575-140015-
/O.CON.KJAX.MA.S.0003.000000T0000Z-230314T0015Z/
644 PM EDT Mon Mar 13 2023

...MARINE WEATHER: A strong thunderstorm will move across the
Treasure Coast waters through 815 PM...

At 643 PM EDT, Doppler radar indicated a strong thunderstorm. This
thunderstorm was located 7 nm southwest of Vero Lake Estates, or 9 nm
southwest of Sebastian Highlands, moving east at 30 knots.

HAZARD...Gusty winds to around 30 knots, locally higher waves, and
lightning strikes.

SOURCE...Radar indicated.

IMPACT...Gusty winds, high waves, and lightning strikes will pose a
threat to mariners.

The areas affected include...

Sebastian Inlet to Jupiter Inlet 0-20 nm...

Sebastian Inlet to Jupiter Inlet 20-60 nm...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Boaters should seek safe harbor immediately until this storm passes.

&&

LAT...LON 2762 8040 2765 8041 2782 8049 2794 7981
2746 7964 2744 8033

\$\$

CAN:

FZUS72 KMLB 132300
MWSMLB

Marine Weather Statement
National Weather Service Melbourne FL
700 PM EDT Mon Mar 13 2023

AMZ555-575-140015-
/O.CAN.KJAX.MA.S.0003.000000T0000Z-230314T0015Z/
700 PM EDT Mon Mar 13 2023

...The risk for strong thunderstorms over the water has ended...

The affected areas were...
Coastal waters from Pensacola FL to Pascagoula MS out 20 NM...
Mississippi Sound...
South Mobile Bay...

The thunderstorm has weakened, thus the warning has been canceled.

&&

LAT...LON 2762 8040 2765 8041 2782 8049 2794 7981
2746 7964 2744 8033

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Appendix F - Life Cycle of RPS and “Like Hazards” (BH.S)

NEW

WHUS44 KHGX 131517
CFWHGX

Coastal Hazard Message
National Weather Service Houston/Galveston TX
1017 AM CDT Thu Apr 13 2023

TXZ436>439-132330-
/O.NEW.KHGX.RP.S.0020.230413T1517Z-230414T0200Z/
Matagorda Islands-Brazoria Islands-Galveston Island-
Bolivar Peninsula-
1017 AM CDT Thu Apr 13 2023

...RIP CURRENTS: High risk of rip currents until 9 PM CDT this evening...

* WHAT...Dangerous rip currents.

* WHERE...Matagorda Islands, Brazoria Islands, Galveston Island and Bolivar Peninsula Counties.

* WHEN...Until 9 PM CDT this evening.

* IMPACTS...Rip currents can sweep even the best swimmers away from shore into deeper water.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Swim near a lifeguard and away from rocks, jetties and piers.
If caught in a rip current, relax and float. Don` t swim against

the current. If able, swim in a direction following the shoreline.
If unable to escape, face the shore and call or wave for help.

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CON

WHCA42 TJSJ 130119
CFWSJU

Coastal Hazard Message
National Weather Service San Juan PR
1114 AM AST Thu Apr 13 2023

PRZ001-005-008-132315-
/O.CON.TJSJ.RP.S.0025.000000T0000Z-230414T0900Z/
San Juan and Vicinity-North Central-Northwest-
1114 AM AST Thu Apr 13 2023

...RIP CURRENTS: High risk of rip currents through late tonight...

- * WHAT...Life-threatening rip currents due to breaking waves up to 6 to 7 feet.
- * WHERE...Beaches from Aguadilla eastward to Carolina across the north coast of Puerto Rico.
- * WHEN...Through late tonight.
- * IMPACTS...Rip currents that can sweep even the best swimmers away from shore into deeper water.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

There is a high risk of rip currents.

Rip currents are powerful channels of water flowing quickly away from shore, which occur most often at low spots or breaks in the sandbar and in the vicinity of structures such as groins, jetties and piers. Heed the advice of lifeguards, beach patrol flags and signs.

If you become caught in a rip current, yell for help. Remain calm, do not exhaust yourself and stay afloat while waiting for help. If you have to swim out of a rip current, swim parallel to

shore and back toward the beach when possible. Do not attempt to swim directly against a rip current as you will tire quickly.

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EXP

WHUS44 KHGX 171556
CFWHGX

Coastal Hazard Message
National Weather Service Houston/Galveston TX
Issued by National Weather Service Lake Charles LA
956 AM CST Tue Jan 17 2023

TXZ436>439-171700-
/O.EXP.KHGX.RP.S.0002.000000T0000Z-230117T1600Z/
Matagorda Islands-Brazoria Islands-Galveston Island-
Bolivar Peninsula-
956 AM CST Tue Jan 17 2023

...The risk for rip currents has ended...

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Appendix G - Life Cycle of SU.S

NEW

WHUS42 KMHX 052050
CFWMHX

Coastal Hazard Message
National Weather Service Newport/Morehead City NC
350 PM EST Wed Feb 5 2020

NCZ205-060930-
/O.NEW.KMHX.CF.S.0002.200207T0000Z-200208T0600Z/
/O.NEW.KMHX.SU.S.0001.200207T0000Z-200208T0600Z/
Hatteras Island-
350 PM EST Wed Feb 5 2020

...FLOOD: Street flooding from 7 pm Thursday to 1 am EST Saturday...
...HIGH SURF: Unusually high surf from 7 pm Thursday to 1 am EST
Saturday...

* WHAT...Large breaking waves of 7 to 10 feet expected in the surf
zone. 1 to 2 feet of inundation above ground level expected for sound
side areas adjacent to the Pamlico Sound and adjacent tidal creeks.

* WHERE...Hatteras Island.

* WHEN...From 7 PM Thursday to 1 AM EST Saturday.

* IMPACTS...Up to 2 feet of inundation above ground level is
possible in low-lying areas near shorelines and tidal waterways

resulting in a low threat of property damage. Some roads and low lying property including parking lots, parks, lawns, and homes adjacent to the waterfront will experience shallow flooding. Dangerous swimming and surfing conditions and localized beach erosion. Localized ocean overwash possible in locations with vulnerable dune structure.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If travel is required, allow extra time as some roads may be flooded. Do not drive around barricades or through water of unknown depth. Take the necessary actions to protect flood-prone property.

Inexperienced swimmers should remain out of the water due to dangerous surf conditions.

&&

CON

NCZ195-196-199-204-062100-
/O.CON.KMHX.SU.S.0001.200207T0000Z-200208T0600Z/
West Carteret-East Carteret-Coastal Onslow-Ocracoke Island-
328 AM EST Thu Feb 6 2020

...HIGH SURF: Unusually high surf from 7 pm this evening to 1 am EST Saturday...

* WHAT...Large breaking waves of 7 to 10 feet expected in the surf zone.

* WHERE...Ocracoke Island and Core Banks beaches, and Crystal Coast beaches.

* WHEN...From 7 PM this evening to 1 AM EST Saturday.

* IMPACTS...Dangerous swimming and surfing conditions and localized beach erosion.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Inexperienced swimmers should remain out of the water due to dangerous surf conditions.

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EXP:

NCZ196-204-080700-
/O.EXP.KMHX.SU.S.0001.000000T0000Z-200208T0600Z/
East Carteret-Ocracoke Island-
100 AM EST Sat Feb 8 2020

...The risk for unusually high surf has ended...

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Appendix H - Life Cycle of CFS and “Like Hazards” (LS.S)

NEW

WHUS42 KMHX 060828
CFWMHX

Coastal Hazard Message
National Weather Service Newport/Morehead City NC
328 AM EST Thu Feb 6 2020

NCZ203-060930-
/O.NEW.KMHX.CF.S.0002.200207T0000Z-200208T0600Z/
Northern Outer Banks-
350 PM EST Wed Feb 5 2020

...FLOOD: Minor Coastal Flooding from 7 pm Thursday to 1 am EST
Saturday...

- * WHAT...1 to 2 feet of inundation above ground level expected in low-lying areas near shorelines and tidal waterways.
- * WHERE...Sound side areas adjacent to the Albemarle, Croatan, and Roanoke Sounds, Kitty Hawk Bay, and adjacent tidal creeks.
- * WHEN...From 7 PM Thursday to 1 AM EST Saturday.
- * IMPACTS...Up to 2 feet of inundation above ground level is possible in low-lying areas near shorelines and tidal waterways resulting in a low threat of property damage. Some roads and low

lying property including parking lots, parks, lawns, and homes adjacent to the waterfront will experience shallow flooding.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If travel is required, allow extra time as some roads may be flooded. Do not drive around barricades or through water of unknown depth. Take the necessary actions to protect flood-prone property.

&&

Time of high total tides are approximate to the nearest hour.

Duck NC

MLLW Categories - Minor 5.5 ft, Moderate 6.0 ft, Major 6.5 ft

MHHW Categories - Minor 1.8 ft, Moderate 2.3 ft, Major 2.8 ft

Day/Time	Total Tide ft MLLW	Total Tide ft MHHW	Departure from Norm ft	Waves ft	Flood Impact
05/04 PM	3.0	-0.7	0.5	1	None
06/05 AM	4.5	0.8	0.9	1-2	None
06/05 PM	3.1	-0.6	0.4	3-4	None
07/06 AM	4.3	0.6	0.5	5-6	None
07/06 PM	2.6	-1.1	-0.4	5	None
08/06 AM	3.6	-0.1	-0.4	3	None

Oregon Inlet NC

MLLW Categories - Minor 3.0 ft, Moderate 4.5 ft, Major 5.5 ft

MHHW Categories - Minor 2.4 ft, Moderate 3.9 ft, Major 4.9 ft

Day/Time	Total Tide ft MLLW	Total Tide ft MHHW	Departure from Norm ft	Waves ft	Flood Impact
05/05 PM	1.2	0.6	0.8	1	None
06/05 AM	1.6	1.0	0.9	1-2	None
07/04 AM	3.4	2.8	2.9	2-3	Minor
07/04 PM	2.2	1.6	2.0	3	None
08/06 AM	1.2	0.6	0.4	2	None

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CON:

NCZ203-062100-
/O.CON.KMHX.CF.S.0002.200207T0000Z-200208T0600Z/
Northern Outer Banks-
328 AM EST Thu Feb 6 2020

...FLOOD: Minor Coastal Flooding from 7 pm Thursday to 1 am EST Saturday...

- * WHAT...1 to 2 feet of inundation above ground level expected in low-lying areas near shorelines and tidal waterways.
- * WHERE...Sound side areas adjacent to the Albemarle, Croatan, and Roanoke Sounds, Kitty Hawk Bay, and adjacent tidal creeks.
- * WHEN...From 7 PM this evening to 1 AM EST Saturday.
- * IMPACTS...Up to 2 feet of inundation above ground level is possible in low-lying areas near shorelines and tidal waterways resulting in a low threat of property damage. Some roads and low lying property including parking lots, parks, lawns, and homes adjacent to the waterfront will experience shallow flooding.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If travel is required, allow extra time as some roads may be closed. Do not drive around barricades or through water of unknown depth. Take the necessary actions to protect flood-prone property.

&&

Time of high total tides are approximate to the nearest hour.

Duck NC

MLLW Categories - Minor 5.5 ft, Moderate 6.0 ft, Major 6.5 ft
MHHW Categories - Minor 1.8 ft, Moderate 2.3 ft, Major 2.8 ft

Day/Time	Total Tide ft MLLW	Total Tide ft MHHW	Departure from Norm ft	Waves ft	Flood Impact
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06/05 AM	4.6	0.9	1.0	1-2	None
06/05 PM	3.3	-0.4	0.6	3-4	None
07/06 AM	4.3	0.6	0.5	5-6	None
07/06 PM	2.4	-1.3	-0.6	5	None
08/06 AM	3.5	-0.2	-0.5	3	None
08/07 PM	2.8	-0.9	-0.4	2	None

Oregon Inlet NC

MLLW Categories - Minor 3.0 ft, Moderate 4.5 ft, Major 5.5 ft

MHHW Categories - Minor 2.4 ft, Moderate 3.9 ft, Major 4.9 ft

Day/Time	Total Tide ft MLLW	Total Tide ft MHHW	Departure from Norm ft	Waves ft	Flood Impact
06/05 AM	1.6	1.0	0.9	1-2	None
07/04 AM	3.4	2.8	2.9	2-3	Minor
07/05 PM	2.3	1.7	1.9	2-3	None
08/05 AM	1.0	0.4	0.4	1-2	None
08/07 PM	0.6	-0.0	0.0	1	None

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CAN:

NCZ203-080700-

/O.CAN.KMHX.CF.S.0002.000000T0000Z-200208T0900Z/

Northern Outer Banks-

100 AM EST Sat Feb 8 2020

...The risk for minor coastal flooding has ended...

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Appendix I - Life Cycle of FA.S

NEW

WGUS83 KDTX 142201
FLSDTX

Flood Statement
National Weather Service Detroit/Pontiac MI
601 PM EDT Sat May 14 2022

MIC157-150100-
/O.NEW.KDTX.FA.S.0006.220514T2201Z-220515T0100Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/
Tuscola MI-
601 PM EDT Sat May 14 2022

...FLOOD: Ponding of water in low-lying and poor drainage areas until
9 PM EDT...

* WHAT...Urban and small stream flooding caused by excessive
rainfall is expected.

* WHERE...A portion of southeast Michigan, including the following
county, Tuscola.

* WHEN...Until 900 PM EDT.

* ADDITIONAL DETAILS...

- At 601 PM EDT, Doppler radar indicated heavy rain due to
thunderstorms. This will cause urban and small stream

- flooding. Between 2 and 4 inches of rain have fallen.
- Additional rainfall amounts of 1 to 2 inches are expected over the area. This additional rain will result in minor flooding.
 - Some locations that will experience flooding include...
Caro, Cass City, Reese, Akron, Fairgrove, Unionville, Kingston, Gagetown, Quanicassee, Ellington, Wilmot, Gilford, Wisner, Colling, Colwood, Watrousville, East Dayton, Deford, Bay Park and Richville.
 - <http://www.weather.gov/safety/flood>

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Turn around, don't drown when encountering flooded roads. Most flood deaths occur in vehicles.

Be aware of your surroundings and do not drive on flooded roads.

&&

LAT...LON 4359 8370 4367 8359 4368 8312 4339 8311
4339 8370

CON

WGUS83 KDTX 142342
FLSDTX

Flood Statement
National Weather Service Detroit/Pontiac MI
742 PM EDT Sat May 14 2022

MIC157-150100-
/O.CON.KDTX.FA.S.0006.000000T0000Z-220515T0100Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/
Tuscola MI-
742 PM EDT Sat May 14 2022

...FLOOD: Ponding of water in low-lying and poor drainage areas until
9 PM EDT...

* WHAT...Urban and small stream flooding caused by excessive

rainfall continues.

* WHERE...A portion of southeast Michigan, including the following county, Tuscola.

* WHEN...Until 900 PM EDT.

* ADDITIONAL DETAILS...

- At 739 PM EDT, Doppler radar indicated heavy rain due to thunderstorms. This will cause urban and small stream flooding. Between 2 and 4 inches of rain have fallen. Linger light rain showers will remain possible through 9 PM EDT. Runoff from prior rainfall may continue to contribute to additional urban and small stream flooding despite a decrease in rain and thunderstorm activity.
- Some locations that will experience flooding include...
Caro, Cass City, Reese, Akron, Fairgrove, Unionville, Kingston, Gagetown, Quanicassee, Ellington, Wilmot, Gilford, Wisner, Colling, Colwood, Watrousville, East Dayton, Deford, Bay Park and Richville.
- <http://www.weather.gov/safety/flood>

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Turn around, don't drown when encountering flooded roads. Most flood deaths occur in vehicles.

Be aware of your surroundings and do not drive on flooded roads.

&&

LAT...LON 4359 8370 4367 8359 4368 8312 4339 8311
4339 8370

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EXT

WGUS84 KFWD 250415

FLSFWD

Flood Statement
National Weather Service Fort Worth TX
1115 PM CDT Sun Apr 24 2022

TXC097-337-250615-
/O.EXT.KFWD.FA.S.0010.000000T0000Z-220425T0615Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/
Cooke TX-Montague TX-
1115 PM CDT Sun Apr 24 2022

...FLOOD: Ponding of water in low-lying and poor drainage areas until
115 AM CDT...

- * WHAT...Urban and small stream flooding caused by excessive
rainfall continues.
- * WHERE...A portion of north central Texas, including the following
counties, Cooke and Montague.
- * WHEN...Until 115 AM CDT.
- * IMPACTS...Minor flooding in low-lying and poor drainage areas.
- * ADDITIONAL DETAILS...
 - Doppler radar and automated rain gauges indicated heavy rain
due to thunderstorms. This will likely cause urban and small
stream flooding. Low-lying and/or poor drainage areas will
experience minor flooding. Between 2 and
3 inches of rain have fallen.
 - Some locations that will experience flooding include...
Gainesville, Bowie, Nocona, Muenster, St. Jo, Lindsay,
Callisburg, Forestburg, Sunset, Stoneburg, Lake Kiowa, Ray
Roberts Park Johnson Branch, Valley View and Oak Ridge.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Turn around, don't drown when encountering flooded roads. Most flood
deaths occur in vehicles.

Be especially cautious at night when it is harder to recognize the
dangers of flooding.

&&

LAT...LON 3343 9798 3389 9798 3386 9783 3399 9767
3395 9759 3390 9759 3390 9746 3382 9743
3388 9733 3386 9726 3392 9721 3385 9717
3376 9719 3372 9713 3382 9705 3385 9709
3384 9702 3395 9699 3395 9694 3342 9694

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EXP

WGUS84 KFWD 250838
FLSFWD

Flood Statement
National Weather Service Fort Worth TX
338 AM CDT Mon Apr 25 2022

TXC121-497-250848-
/O.EXP.KFWD.FA.S.0012.000000T0000Z-220425T0830Z/
/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/
Denton TX-Wise TX-
338 AM CDT Mon Apr 25 2022

...The threat of ponding of water has ended...

The heavy rain has ended and new flooding is no longer expected across a portion of north central Texas, including the following counties,
Denton and Wise. Nuisance flooding of low-lying and/or poor drainage areas may continue for a few hours until the water has had a chance to recede. Please continue to heed any remaining road closures.

LAT...LON 3303 9792 3323 9791 3326 9789 3342 9766
3342 9765 3343 9766 3342 9738 3341 9684
3308 9685 3301 9792 3302 9792

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CAN

WGUS83 KDTX 150042

FLSCTX

Flood Statement

National Weather Service Detroit/Pontiac MI

842 PM EDT Sat May 14 2022

MIC157-150052-

/O.CAN.KDTX.FA.S.0006.000000T0000Z-220515T0100Z/

/00000.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/

Tuscola MI-

842 PM EDT Sat May 14 2022

...The threat of ponding of water has ended...

The heavy rain has ended and urban and small stream flooding is no longer expected to pose a threat across a portion of southeast Michigan, including the following county, Tuscola. Please continue to heed remaining road closures.

LAT...LON 4359 8370 4367 8359 4368 8312 4339 8311

4339 8370

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Appendix J - Life Cycle of FL.S

NEW

WGUS83 KMQT 301643

FLSMQT

Flood Statement

National Weather Service Marquette MI

1243 PM EDT Sat Apr 30 2022

.For the Sturgeon River near Alston affecting Houghton and Baraga Counties...elevated river levels are forecast.

Expected rainfall, snowmelt, and dam releases will lead to an increase in water levels for the Sturgeon River near Alston. Water levels are expected to rise over the next couple of days and may approach warning criteria.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Caution is urged when walking near riverbanks.

Remain alert to possible flooding or the possibility of a warning being issued.

Additional information is available at www.weather.gov.

The next statement will be issued tonight by 1100 PM EDT.

&&

MIC013-061-010300-

/O.NEW.KMQT.FL.S.0015.220501T0300Z-220504T0000Z/

/ALSM4.N.RS.000000T0000Z.000000T0000Z.000000T0000Z.NO/

1243 PM EDT Sat Apr 30 2022

...HIGH WATER: Elevated streamflow from this evening to Tuesday evening...

* WHAT...Elevated streamflow caused by rain and snowmelt is expected.

* WHERE...Sturgeon River near Alston.

* WHEN...From this evening to Tuesday evening.

* IMPACTS...At 8.0 feet, Homes and structures along the low-lying areas and numerous roads become impacted by floodwater. In Houghton County...Sturgeon River Road...Aho Road...and Rajala Road are impacted. In Baraga County...Sturgeon Road...Halonen Road and Usitalo Road are impacted. Along Froberg Road...Tahtinen Road... Irwin Road...Oliver Road...and Shirley Road are impacted.

* ADDITIONAL DETAILS...

- At 11:30 AM EDT Saturday the stage was 7.3 feet.
- Forecast...The river is expected to rise to near 8.0 feet by Sunday evening.
- Action stage is 7.5 feet.
- Flood stage is 8.0 feet.
- <https://www.weather.gov/safety/flood>

&&

LAT...LON 4672 8872 4683 8866 4692 8861 4692 8848
4687 8850 4672 8860

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CON

WGUS83 KMQT 010158

FLSMQT

Flood Statement

National Weather Service Marquette MI

958 PM EDT Sat Apr 30 2022

.For the Sturgeon River...including Alston...elevated river levels are forecast.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Remain alert to possible flooding or the possibility of a warning being issued.

Caution is urged when walking near riverbanks.

Additional information is available at www.weather.gov.

The next statement will be issued Sunday afternoon at 1200 PM EDT.

&&

MIC013-061-011600-

/O.CON.KMQT.FL.S.0015.220501T0300Z-220504T0000Z/

/ALSM4.N.RS.000000T0000Z.000000T0000Z.000000T0000Z.NO/

958 PM EDT Sat Apr 30 2022

...HIGH WATER: Elevated streamflow until Tuesday evening...

* WHAT...Elevated streamflow caused by rain and snowmelt continues.

* WHERE...Sturgeon River near Alston.

* WHEN...Until Tuesday evening.

* IMPACTS...At 8.0 feet, homes and structures along the low-lying areas and numerous roads become impacted by floodwater. In Houghton County...Sturgeon River Road...Aho Road...and Rajala Road are impacted. In Baraga County...Sturgeon Road...Halonon Road and Usitalo Road are impacted. Along Froberg Road...Tahtinen Road... Irwin Road...Oliver Road...and Shirley Road are impacted.

* ADDITIONAL DETAILS...

- At 9:30 PM EDT Saturday the stage was 7.2 feet.
- Forecast...The river is expected to rise to near 8.0 feet by Sunday evening.
- Action stage is 7.5 feet.
- Flood stage is 8.0 feet.
- <https://www.weather.gov/safety/flood>

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LAT...LON 4672 8872 4683 8866 4692 8861 4692 8848
4687 8850 4672 8860

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EXT

WGUS83 KMQT 030101
FLSMQT

Flood Statement

National Weather Service Marquette MI
901 PM EDT Mon May 2 2022

.For the Sturgeon River...including Sidnaw, Alston, Chassell
affecting
Houghton and Baraga Counties...elevated river levels are forecast.

Recent rainfall, snowmelt, and dam releases will lead to an
increase in water levels for the Sturgeon River near Alston. Water
levels are expected to rise over the next 12 hours.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Caution is urged when walking near riverbanks.

Additional information is available at www.weather.gov.

The next statement will be issued Tuesday at 1200 PM EDT.

&&

MIC013-061-031615-

/O.EXT.KMQT.FL.S.0015.000000T0000Z-220505T1800Z/
/ALSM4.N.RS.000000T0000Z.000000T0000Z.000000T0000Z.NO/
901 PM EDT Mon May 2 2022

...HIGH WATER: Elevated river levels until early Thursday
afternoon...

* WHAT...Elevated river levels caused by recent rainfall and
snowmelt continues.

* WHERE...Sturgeon River near Alston.

* WHEN...Until early Thursday afternoon.

* IMPACTS...At 8.0 feet, Homes and structures along the low-lying
areas and numerous roads become impacted by floodwater. In
Houghton County...Sturgeon River Road...Aho Road...and Rajala Road
are impacted. In Baraga County...Sturgeon Road...Halonen Road and
Usitalo Road are impacted. Along Froberg Road...Tahtinen Road...
Irwin Road...Oliver Road...and Shirley Road are impacted.

* ADDITIONAL DETAILS...

- At 7:30 PM EDT Monday the stage was 7.6 feet.
- Forecast...The river is expected to rise to a crest of 7.7
feet just after midnight tonight.
- Action stage is 7.5 feet.
- Flood stage is 8.0 feet.
- <https://www.weather.gov/safety/flood>

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LAT...LON 4672 8872 4683 8866 4692 8861 4692 8848
4687 8850 4672 8860

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EXP

WGUS81 KLWX 051552
FLSLWX

Flood Statement
National Weather Service Baltimore MD/Washington DC

1152 AM EDT Fri May 5 2017

MDC031-VAC107-051622-

/O.EXP.KLWX.FL.S.0002.170506T1800Z-170505T1550Z/

/BRKM2.N.ER.000000T0000Z.000000T0000Z.000000T0000Z.OO/

1152 AM EDT Fri May 5 2017

...Elevated streamflow threat for the Potomac River Near Little Falls
has ended...

* ADDITIONAL DETAILS...

- At 10 AM Friday the stage was 4.7 feet.
- Bankfull stage is 10.0 feet.
- Flood stage is 10.0 feet.
- Forecast...The river crested below flood stage at 13.0 feet. The
river will
continue to fall to 8.0 feet by Saturday morning.

&&

LAT...LON 3936 7766 3934 7757 3926 7747 3923 7744
3920 7754 3927 7760 3930

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CAN

WGUS83 KMQT 040039

FLSMQT

Flood Statement

National Weather Service Marquette MI

839 PM EDT Tue May 3 2022

MIC013-061-040145-

/O.CAN.KMQT.FL.S.0015.000000T0000Z-220504T0039Z/

/ALSM4.N.RS.000000T0000Z.000000T0000Z.000000T0000Z.NO/

839 PM EDT Tue May 3 2022

...Elevated streamflow threat for the Sturgeon River near Alston has ended...

* ADDITIONAL DETAILS...

- At 7:30 PM EDT Tuesday the stage was 7.3 feet.
- Forecast...The river is expected to fall to 6.4 feet Tuesday evening.
- <https://www.weather.gov/safety/flood>

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LAT...LON 4672 8872 4683 8866 4692 8861 4692 8848
4687 8850 4672 8860

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Appendix K - Life Cycle of ST.S

NEW

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WWUS81 KBTV 162307

SPSBTV

Strong Thunderstorm Statement

National Weather Service Burlington VT

707 PM EDT Thu Jun 16 2022

NYZ026-027-087-162330-

/O.NEW.KBTV.ST.S.0010.220616T2307Z-220616T2330Z/

Northern St. Lawrence NY-Northern Franklin NY-

Southwestern St. Lawrence NY-

707 PM EDT Thu Jun 16 2022

...STRONG THUNDERSTORM: Gusty winds and hail will impact portions of west central Franklin and northeastern St. Lawrence Counties through 730 PM EDT...

At 707 PM EDT, Doppler radar was tracking a strong thunderstorm near Potsdam, moving northeast at 30 mph.

HAZARD...Wind gusts up to 50 mph and half inch hail.

SOURCE...Radar indicated.

IMPACT...Gusty winds could knock down tree limbs and blow around

unsecured objects. Minor damage to outdoor objects is possible.

Locations impacted include...

Potsdam, Canton, Norwood, Lawrenceville, Brasher Falls, Madrid, North Stockholm, Brasher Center, West Stockholm, Ironton, West Potsdam, North Lawrence, Converse, Stockholm Center, Winthrop and Buckton.

This includes the following highways...

US Route 11

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If outdoors, consider seeking shelter inside a building.

A Tornado Watch remains in effect until 1100 PM EDT for northern New York.

&&

LAT...LON 4478 7452 4463 7487 4460 7516 4471 7521
4487 7481 4491 7467

TIME...MOT...LOC 2307Z 243DEG 25KT 4468 7509

MAX HAIL SIZE...0.50 IN

MAX WIND GUST...50 MPH

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CON

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WWUS81 KBTW 162320

SPSBTV

Strong Thunderstorm Statement

National Weather Service Burlington VT

720 PM EDT Thu Jun 16 2022

NYZ026-027-087-162330-

/O.CON.KBTW.ST.S.0010.000000T0000Z-220616T2330Z/

Northern St. Lawrence NY-Northern Franklin NY-

Southwestern St. Lawrence NY-

720 PM EDT Thu Jun 16 2022

...STRONG THUNDERSTORM: Gusty winds and hail will impact portions of west central Franklin and northeastern St. Lawrence Counties through 730 PM EDT...

At 720 PM EDT, Doppler radar was tracking a strong thunderstorm near Sanfordville, moving northeast at 30 mph.

HAZARD...Wind gusts up to 50 mph and half inch hail.

SOURCE...Radar indicated.

IMPACT...Gusty winds could knock down tree limbs and blow around unsecured objects. Minor damage to outdoor objects is possible.

Locations impacted include...

Potsdam, Canton, Norwood, Lawrenceville, Brasher Falls, Madrid, North Stockholm, Brasher Center, West Stockholm, Ironton, West Potsdam, North Lawrence, Converse, Stockholm Center, Winthrop and Buckton.

This includes the following highways...

US Route 11

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If outdoors, consider seeking shelter inside a building.

A Tornado Watch remains in effect until 1100 PM EDT for northern New York.

&&

LAT...LON 4478 7452 4463 7487 4460 7516 4471 7521
4487 7481 4491 7467

TIME...MOT...LOC 2320Z 243DEG 25KT 4468 7509

MAX HAIL SIZE...0.50 IN

MAX WIND GUST...50 MPH

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CAN

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WWUS81 KBTV 162320
SPSBTV

Strong Thunderstorm Statement
National Weather Service Burlington VT
720 PM EDT Thu Jun 16 2022

NYZ026-027-087-162330-
/O.CAN.KBTV.ST.S.0010.000000T0000Z-220616T2330Z/
Northern St. Lawrence NY-Northern Franklin NY-
Southwestern St. Lawrence NY-
720 PM EDT Thu Jun 16 2022

...The strong thunderstorm has [weakened or moved out of the area]...

At 720 PM EDT, the strong thunderstorm has [weakened or moved out of the area]. The threat for gusty winds and hail has diminished.

A Tornado Watch remains in effect until 1100 PM EDT for northern New York.

&&

LAT...LON 4478 7452 4463 7487 4460 7516 4471 7521
4487 7481 4491 7467
TIME...MOT...LOC 2320Z 243DEG 25KT 4468 7509

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Appendix L - Life Cycle of FW.S

NEW

RFWGYX
URGENT - FIRE WEATHER MESSAGE
National Weather Service Gray ME
300 PM EDT Thu Jun 23 2022

XXX-
/O.NEW.KGYX.FW.S.0001./////Z-/////Z
(Locations)
300 PM EDT Thu Jun 23 2022

...FIRE WEATHER CONDITIONS: Elevated fire weather conditions are expected from 9 AM to 9 PM EDT...

WHAT...Sustained winds 20 mph with gusts up to 30 mph combined with minimum relative humidities near 15 percent.

WHERE...Mid Coast of Maine

WHEN...From 9 AM this morning to 9 PM EDT this evening.

IMPACTS...Gusty winds and low relative humidities will cause fires that will be difficult to control.

PRECAUTIONARY/PREPAREDNESS ACTIONS...
XXX

CON

RFWGYX
URGENT - FIRE WEATHER MESSAGE
National Weather Service Gray ME
300 PM EDT Thu Jun 23 2022

XXX-
/O.CON.KGYX.FW.S.0001./////Z-/////Z
(Locations)
300 PM EDT Thu Jun 23 2022

...FIRE WEATHER CONDITIONS: Elevated fire weather conditions are expected from 9 AM to 9 PM EDT...

WHAT...Sustained winds 20 mph with gusts up to 30 mph combined with minimum relative humidities near 15 percent.

WHERE...Mid Coast of Maine

WHEN...From 9 AM this morning to 9 PM EDT this evening.

IMPACTS...Gusty winds and low relative humidities will cause fires that will be difficult to control.

PRECAUTIONARY/PREPAREDNESS ACTIONS...
XXX

Statement Replaced by Warning

RFWGYX
URGENT - FIRE WEATHER MESSAGE
National Weather Service Gray ME
300 PM EDT Thu Jun 23 2022

XXX-
/O.CAN.KGYX.FW.S.0001./////Z-/////Z

/O.NEW.KGYX.FW.W.0001.////Z-////Z

(Locations)

300 PM EDT Thu Jun 23 2022

...RED FLAG WARNING IN EFFECT FROM 11 AM THIS MORNING TO 5 PM MST
THIS AFTERNOON...

The National Weather Service in Gray Maine has issued a Red Flag
Warning...which is in effect from 11 AM this morning to 5 PM MST
this afternoon.

* AREA AND TIMING...

* 20 FOOT WINDS....

* RELATIVE HUMIDITY...

* IMPACTS...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

XX

CAN

RFWGYX

URGENT - FIRE WEATHER MESSAGE

National Weather Service Gray ME

300 PM EDT Thu Jun 23 2022

XXX-

/O.CAN.KGYX.FW.S.0001.////Z-////Z

(Locations)

300 PM EDT Thu Jun 23 2022

...Elevated fire weather conditions are no longer expected...

The risk for elevated fire weather conditions has ended. Winds will
diminish this evening.